In the specification:

Please replace paragraph [0018] with the following amended paragraph:

[0018] Fig. 1 provides a block diagram of an example communication system 100 in which

the teachings of the present invention may well be practiced, in accordance with one example

implementation of the present invention. In accordance with the illustrated example

implementation of Fig. 1, the communication system 100 includes at least a wireless

communication system component 102 comprising one or more user terminal(s) 106, 108

coupled to a wireless communication station 114 through one or more wireless

communication links 110, 112, respectively, and one or more antennae 111. In accordance

with one example implementation, the wireless communication system component 102 is

coupled to one or more wireline network(s) 104 to facilitate communication with wireline

subscriber units 116 and 120. In addition, wireless communication system 102 may well be

coupled to one or more data network(s) 122 to facilitate delivery of enhanced data services

from, e.g., data service provider(s) 124.

Please replace paragraph [0066] with the following amended paragraph:

[0066] In block 806, clustering engine 212 identifies a first spatial signature for the intended

target(s) of the pending transmission, and a second spatial signature for the other identified

target(s) (i.e., the next user(s)) of the communication channel. In accordance with the

teachings of the present invention, the targets may well be individual transceivers or clusters

of targets, in which case a first cluster spatial signature and a second cluster spatial signature

is developed, as described above. In block 808, multi-point communication agent 210

determines whether there are any undesired user(s) and/or interferors within the coverage

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area of the host transceiver. If not, at block 810, beamforming engine 214 calculates weighting values to direct signal energy towards the desired user(s), i.e., the intended target(s) as well as the next user of the communication channel, based, at least in part, on the first and second spatial signatures. If, for example, there are two desired targets with spatial signatures a1 and a2, clustering engine 212 forms a linear superposition of two weights w1 and w2, respectively, calculated as follows:

$$w1=PE[a2' a2] a1$$
 (7)
 $w2=PE[a1' a1] a2$

where: a1 and a2 are Nx1 vectors;

N denotes the number of antennae 216 associated with the transceiver;

[a2' a2] is the outer product of a2 with itself, i.e., an NxN matrix;

[a1' a1] is the outer product of a1 with itself, also an NxN matrix; and

PE denotes a pseudo-inverse operation.

Thus, the weights used for transmission are then:

$$(alpha1*w1) + (alpha2*w2)$$
(8)

where alpha1 and alpha 2 are scalars controlling the intended power to be received by the targets.